

Agile Science Planning: Onboard Target Selection

Completed Technology Project (2012 - 2013)



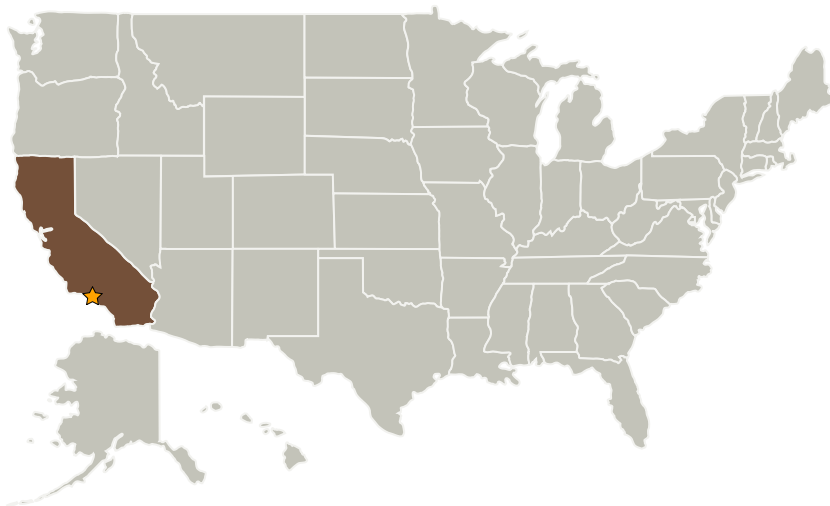
Project Introduction

Develop autonomous target selection in missions targeting small bodies in fly-by mode where observing and reaction time is precious.

Anticipated Benefits

Missions will benefit from autonomous target selection in missions targeting small bodies.

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★ Jet Propulsion Laboratory (JPL)	Lead Organization	NASA Center	Pasadena, California

Primary U.S. Work Locations

California



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Organizational Responsibility

Responsible Mission Directorate:

Mission Support Directorate (MSD)

Lead Center / Facility:

Jet Propulsion Laboratory (JPL)

Responsible Program:

Center Independent Research & Development: JPL IRAD

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Project Management

Program Manager:

Fred Y Hadaegh

Project Manager:

Jonas Zmuidzinass

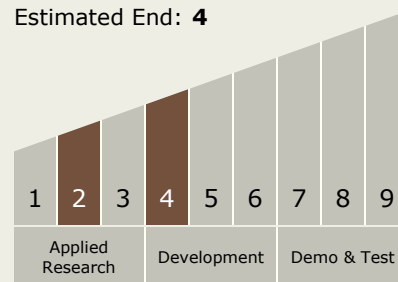
Principal Investigator:

David R Thompson

Technology Maturity (TRL)

Start: **2**

Estimated End: **4**



Technology Areas

Primary:

- TX10 Autonomous Systems
 - └ TX10.2 Reasoning and Acting
 - └ TX10.2.1 Mission Planning and Scheduling